BookletChartTM

NOAR TOUR AND ATMOSPHERIC RUMINISTRATION SO DEPARTMENT OF COMMERCY

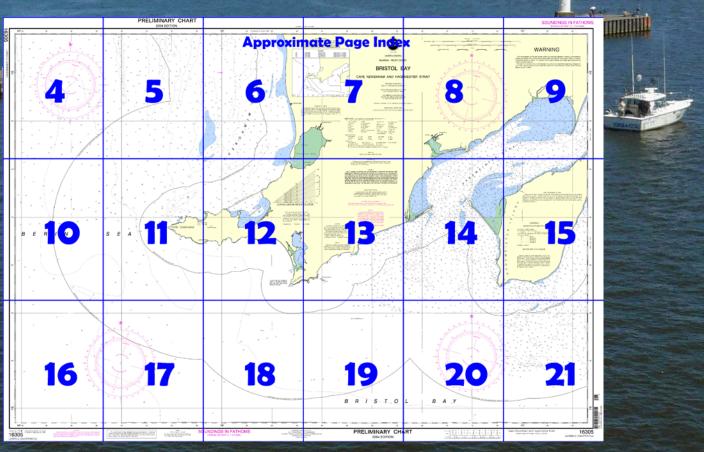
Bristol Bay - Cape Newenham and Hagemeister Strait

NOAA Chart 16305

A reduced-scale NOAA nautical chart for small boaters When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



Published by the National Oceanic and Atmospheric Administration National Ocean Service Office of Coast Survey

<u>www.NauticalCharts.NOAA.gov</u> 888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 https://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=163 <a href="https://www.nauticalcharts.noaa.gov/nsd/searchbycharts.noaa.gov/nsd/search



(Selected Excerpts from Coast Pilot)
Kulukak Bay, entered between Kulukak
Point, 38 miles NW of Cape Constantine,
and Right Hand Point, about 9 miles WSW,
is shoal; there is a depth of 3 fathoms just
inside the entrance and the N half dries at
low water. The buildings of an abandoned
native village are above the bluff at the NW
corner of the bay.

Togiak National Wildlife Refuge includes Kulukak Bay and is a Marine Protected Area. Pilotage, Kulukak Point.—Pilotage, except

for certain exempted vessels, is compulsory for all vessels navigating the waters of the State of Alaska.

The Bering Sea is served by the Alaska Marine Pilots. (See **Pilotage**, **General** (indexed), chapter 3, for the pilot pickup stations, details.) **Togiak Bay**, N of the Walrus Islands, and about midway between Cape Constantine and Cape Newenham, is shoal; the head of the bay uncovers to the S for 3 to 4 miles. A submerged ledge and rock extend 0.2 and 0.5 mile, respectively, from **Rocky Point** at the E entrance of the bay.

Togiak is near the head of the bay. The waters off Togiak are shallow and not navigable during low water. Good anchorage can be had for deeper draft vessels on the E side of the bay about 1 mile off **Anchor Point** in 5 to 6 fathoms of water, sand bottom.

Pilotage, Togiak.—Pilotage, except for certain exempted vessels, is compulsory for all vessels navigating the waters of the State of Alaska. The Bering Sea is served by the Alaska Marine Pilots. (See **Pilotage, General** (indexed), chapter 3, for the pilot pickup stations and other details.)

Current observations were made in 1948 for a period of about 10 hours, about 8 miles SW of Hagemeister Island. The current sets approximately 335° and 165° with velocities at strength of about 0.8 knot and 1.5 knots, respectively. In 1985, the NOAA Ship RAINIER anchored 3 miles off the SE corner of Hagemeister Island observed currents flooding 070° and ebbing 240° at velocities up to 4 knots.

Caution: In 1983, the Coast Guard reported that as a result of flooding in the area, about 20 ocean shipping containers were washed into the Kuskokwim River from the riverbank at the village of Napakiak, about 12 miles SW of Bethel. Reports indicate that several of the containers sank in the river near the village, and the remainder of the containers were carried downriver and sank. Mariners are advised to exercise caution in navigating Kuskokwim Bay and River.

Goodnews Bay is shoal except for a channel with depths ranging from 1¼ to 12 fathoms that leads through the entrance to a point about 1 mile inside. This channel affords good anchorage, either in the middle of the entrance or up to 0.8 mile inside the bay on a line approximately NE of the S tangent of North Spit. Inside the entrance the strength of the tidal currents reaches a maximum of about 2.5 knots in a direction parallel to the axis of the channel. (See Tidal Current Tables for predictions.) Along the NE shore of South Spit the ebb current is very strong, and during the flood an eddy sets N along this shore. The holding ground is good. Small craft can select from the chart a place that affords the best shelter. A restricted anchorage for small vessels is about 1 mile S of the S entrance point, but local knowledge is necessary for its use. Pilotage, Goodnews Bay.—Pilotage, except for certain exempted vessels, is compulsory for all vessels navigating the waters of the State of Alaska. The Bering Sea is served by the Alaska Marine Pilots. (See Pilotage, **General** (indexed), chapter 3, for the pilot pickup stations, details.) Bethel, 65 miles up the Kuskokwim River, is considered the head of ocean navigation. From here river boats operate to points on the upper river.

Bethel Small Boat Harbor has berthing space for approximately 100 vessels. In 2004, 3.1 feet was available in the access channel with shoaling to 2 feet along the S edge at the entrance and 3.5 feet was available in the basin with shoaling near the boat ramps. An overhead power cable with a clearance of 35 feet crosses the access channel to the small boat harbor.

Pilotage, **Bethel**.—Pilotage, except for certain exempted vessels, is compulsory for all vessels navigating the waters of the State of Alaska.

U.S. Coast Guard Rescue Coordination Center 24 hour Regional Contact for Emergencies

RCC Juneau Commander

17th CG District Juneau, Alaska (907) 463-2000

Corrected through NM Apr. 24/04 Corrected through LNM Apr. 13/04

HEIGHTS

Heights in feet above Mean High Water.

Mercator Projection Scale 1:100,000 at Lat 58°40'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS (FATHOMS AND FEET TO ELEVEN FATHOMS) AT MEAN LOWER LOW WATER

Mariners are requested to avoid transiting or anchoring within a 1/2 mile of Cape Peirce and Cape Newenham due to large concentrations of marine mammals and sea birds at these sites.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the

U.S. Coast Guard Light Lists and National Geospatial-intelligence Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

(Accurate location) o(Approximate location)

NOTE A

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska

Refer to charted regulation section numbers

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at

Tuklung Mt. AK WNG-525 162.425 MHz

POLITION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if felephone communication is impossible (33 CFR 153).

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 2.825' southward and 7.981" westward to agree with this

Table of Selected Chart Notes

LORAN-C

GENERAL EXPLANATION

LORAN-C FREQUENCY......100kHz
PULSE REPETITION INTERVAL
9990..........99,900 Microseconds
STATION TYPE DESIGNATORS: (Not individual station

letter designators). Master

Secondary Secondary Secondary Secondary

EXAMPLE: 9990-Y

RATES ON THIS CHART 9990-Y 9990-Z

Loran-C correction tables published by the National Loran-C correction tables published by the National Geospatial-Intelligence Agency or others should not be used with this chart. The lines of position shown have been adjusted based on theoretically determined overland signal propagation delays. They have not been verified by comparison with survey data. Every effort has been made to meet the ¼ nautical mile accuracy criteria established by the U.S. Coast Guard. Mariners are cautioned not to rely solely on the lattices in inshore waters.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, <u>United States Coast Pilot.</u>

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

COLREGS, 80.1705 (see note A)

International Regulations for Preventing Collisions at Sea, 1972 The entire area of this chart falls seaward of the COLREGS Den

NOTE X

NOTE X

The 12 nautical mile territorial sea was established by Presidential Proclamation 5928,
December 27, 1988, and is also the outer limit of the U.S. contiguous zone for the application
of domestic law. The 3 nautical mile line, previously identified as the outer limit of the territorial
sea, is retained because the proclamation states that it does not other existing State or Federal
law. The 9 nautical mile natural resources boundary off Texas, the Gulf coast of Florida, and
Puerto Rico, and the 3 nautical mile intelligence remain the inner boundary of the Federal
fisheries jurisdiction and the limit of states' jurisdiction under the Submerged Londs Act (P.L.
8-3-31; 67 Stat. 29, March 22, 1953). These maritime limits are subject to modification, as
represented on future charts. The lines shown on the most recent chart edition take precedence.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical G green IQ interrupted quick Iso isophase LT HO lighthcuse Al alternating B black

Bn beacon C can
DIA diaphone
F fixed M nautical mile m minutes MICRO TR microwave tower FI flashing

N nun OBSC obscured Oc occultina Mkr marker

Mo morse code

St M statute miles VQ very quick Ra Ref radar reflector WHIS whistle R Bn radiobeacon Y vellow

R TR radio tower Rot rotating

s seconds

SEC sector

Bottom characteristics: Bids boulders

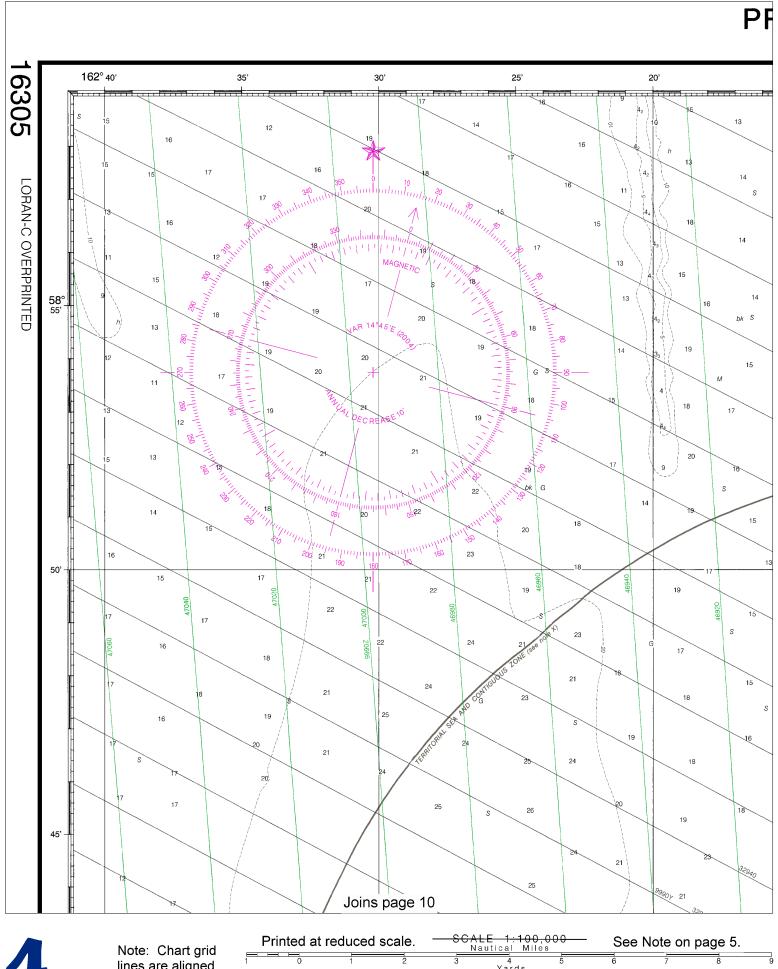
gy gray h hard M mud Co coral Oys bysters Rk rock S sand so soft Sh shells sy sticky G gravel Grs grass

Miscellaneous:

AUTH authorized ED existence doubtful Obstn obstruction PD position doubtful PA position approximate Rep reported

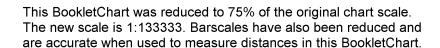
Subm submerged

.21. Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings





RELIMINARY CHART 2004 EDITION 162° CONTINUED ON CHART 16300 50' 15' 10' 05' 55' 32 12 13 (3) $_{4}$ \checkmark $\mathop{\Omega}_{_{_{4_{3}}}}$ Joins page 6 2 34 0 16



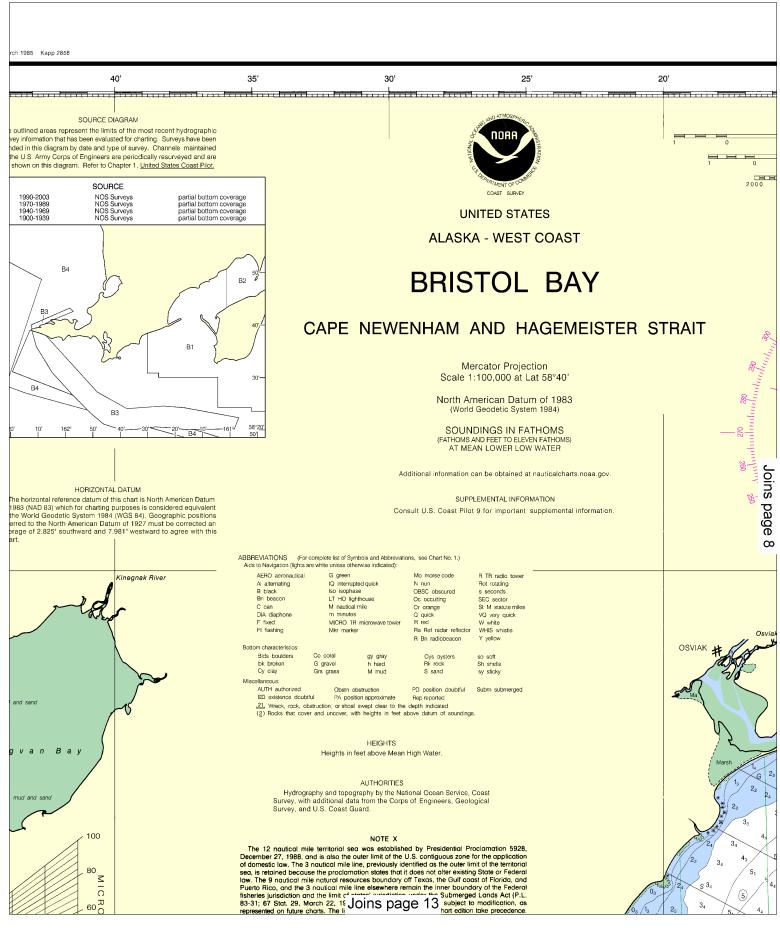
Joins page 11

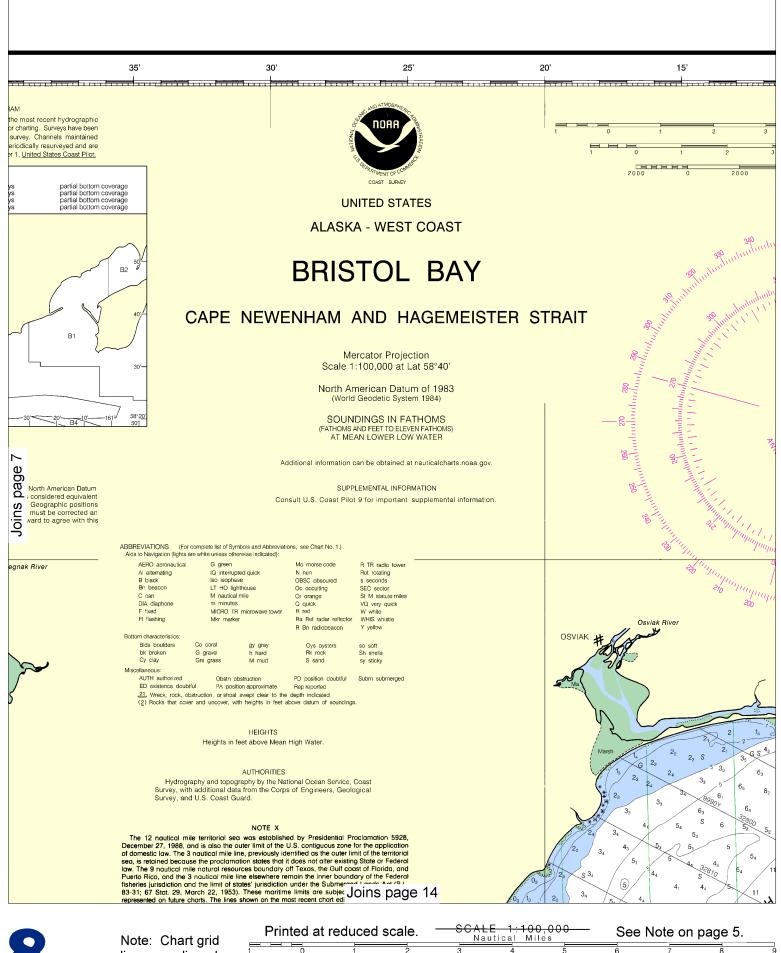


ARY CHART **EDITION** 1st Edition Marc 10' 05' 162° 55' CONTINUED ON CHART 16300 50' 45' $_{4}$ \checkmark Ŋ B Salmon River Joins page 2 0 Joins page 12



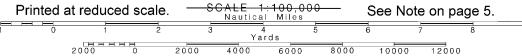








lines are aligned with true north.



SOUNDINGS IN FATHOMS (FATHOMS AND FEET TO 11 FATHOMS) 05' 161° 55' 10' 50' SCALE 1:100,000 Statute Miles WARNING 10000 6000 The hydrography on this preliminary chart is of varying degrees of quality. In the areas of sparse soundings many of the depths were taken by lead line in the early 1900's, so further uncharted shoals are likely. The depths in the area of dense soundings were acquired by modern survey methods. Navigators should use this chart with extreme caution and report discrepancies or hazards to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282. 58° 55' 50 արուղուպ JOINS CHART TONGUE PO 11 105 R 93 12 102 10) R 104 33

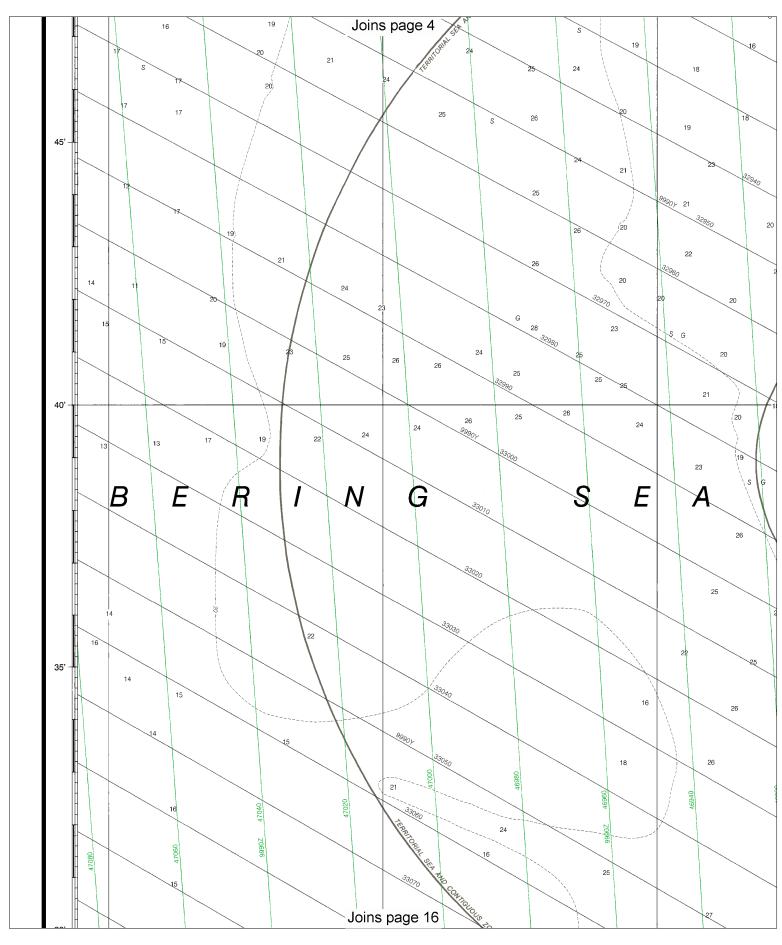
Joins page 15

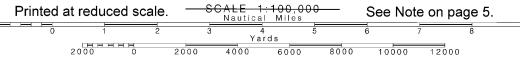
S¹0₅

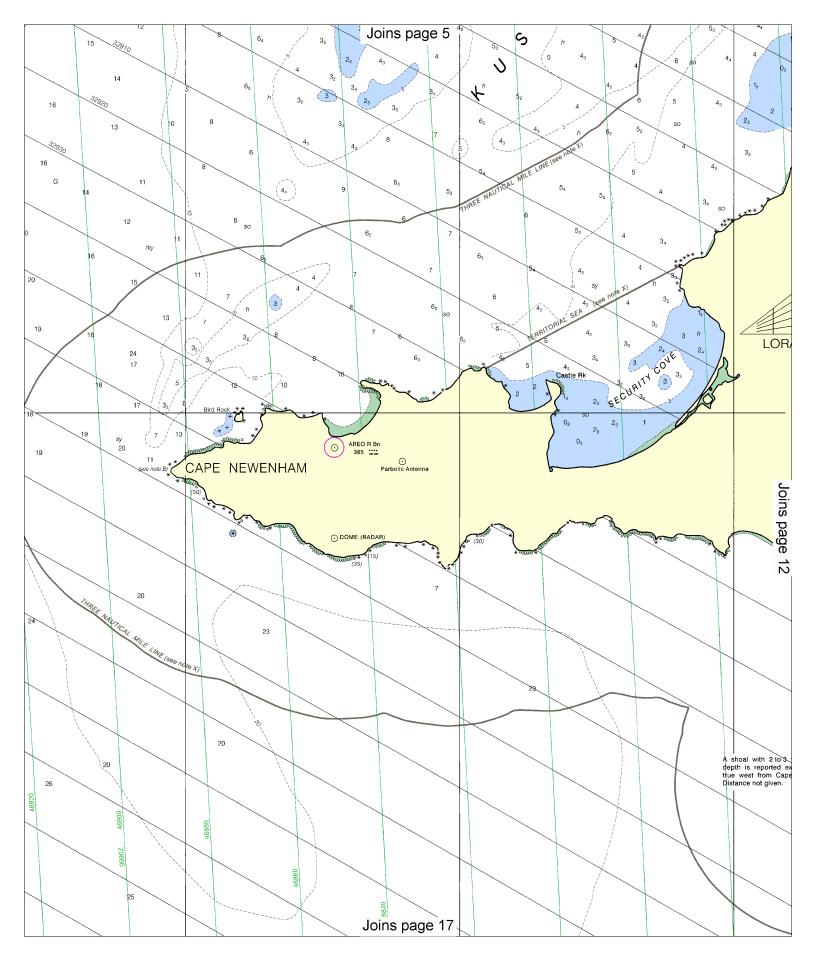
6

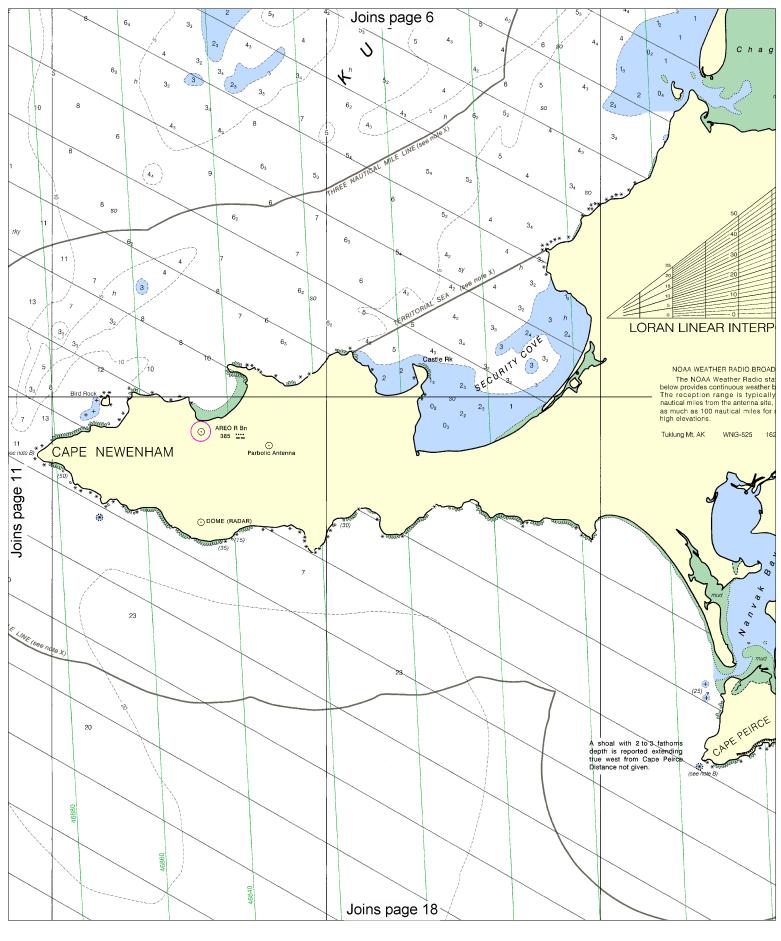


45'

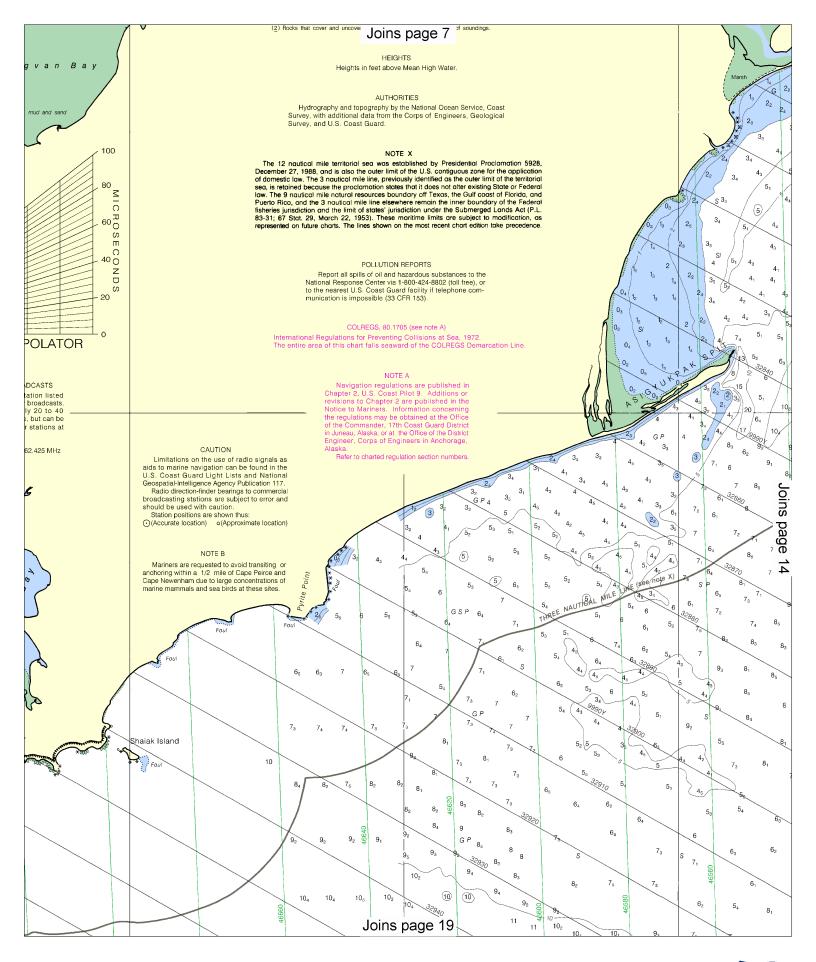


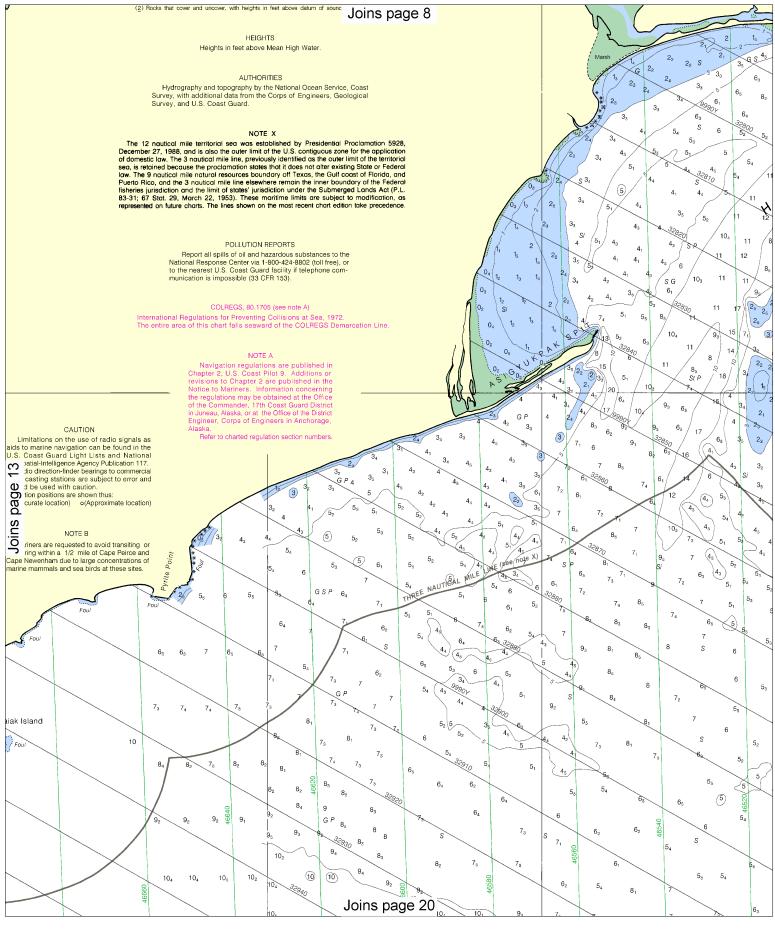




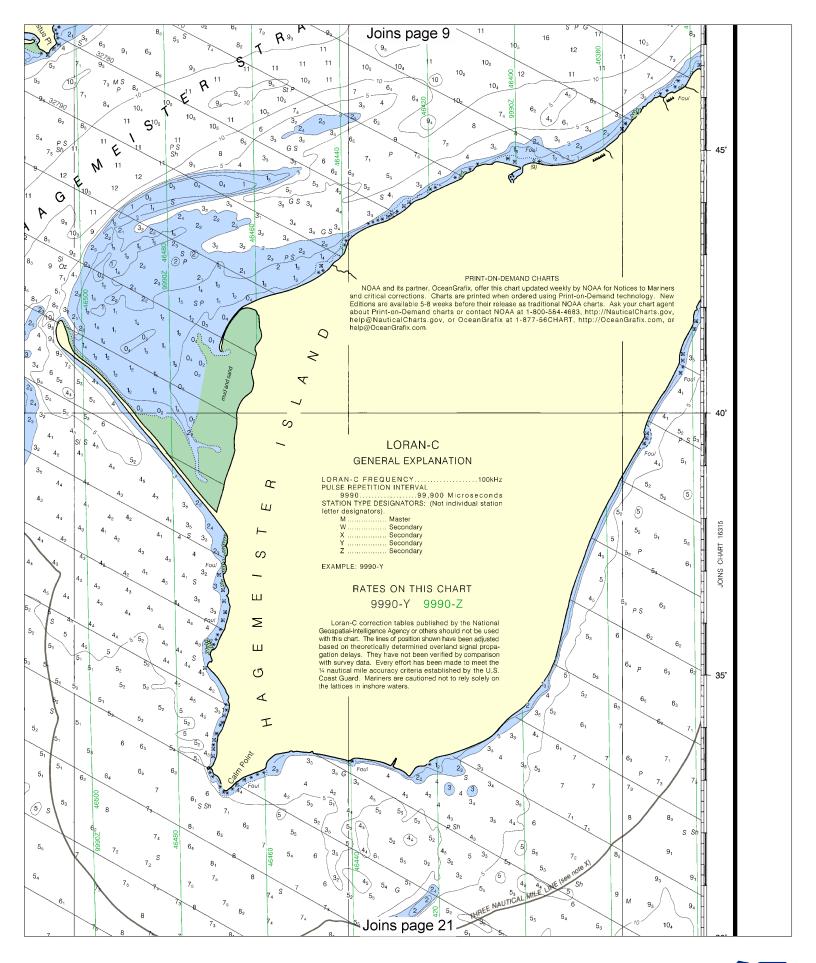


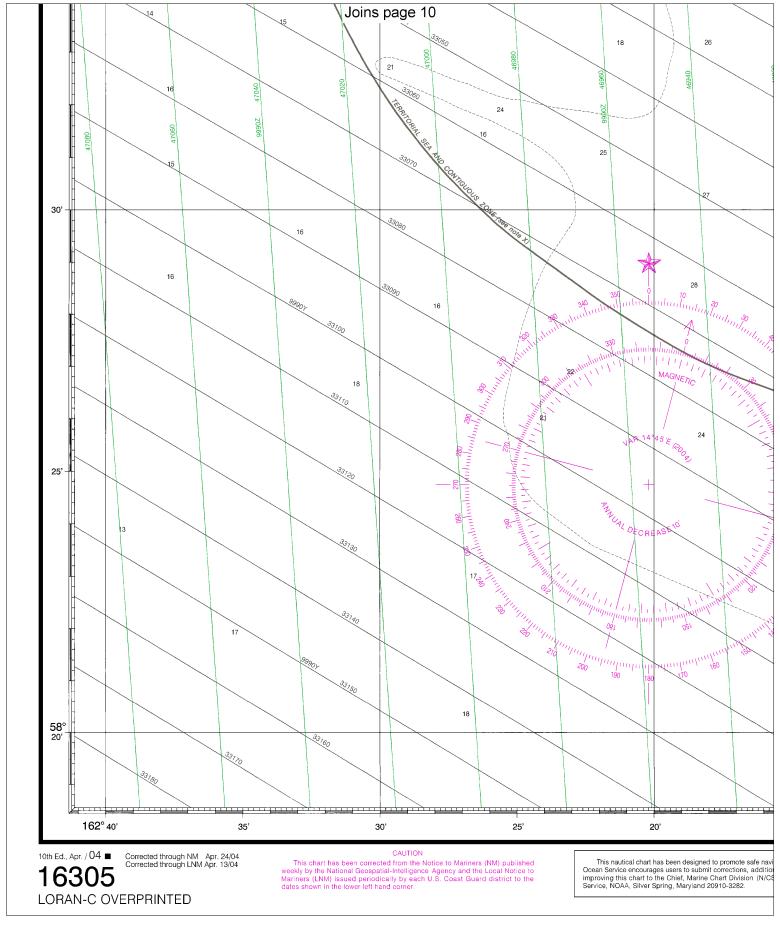




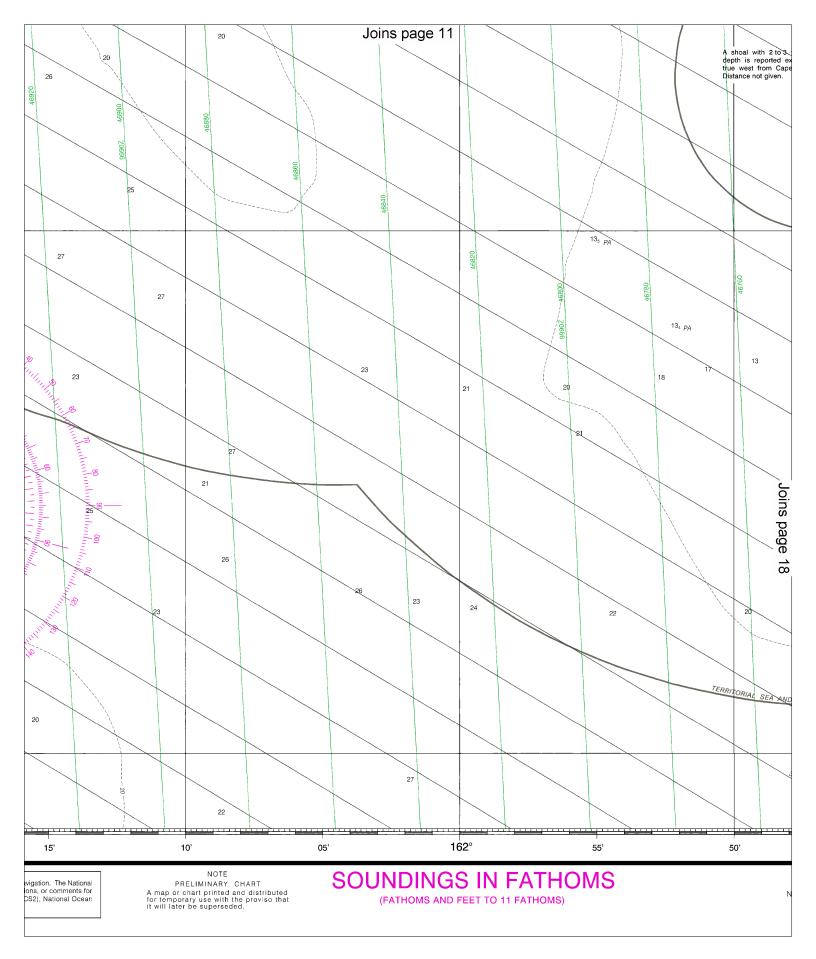


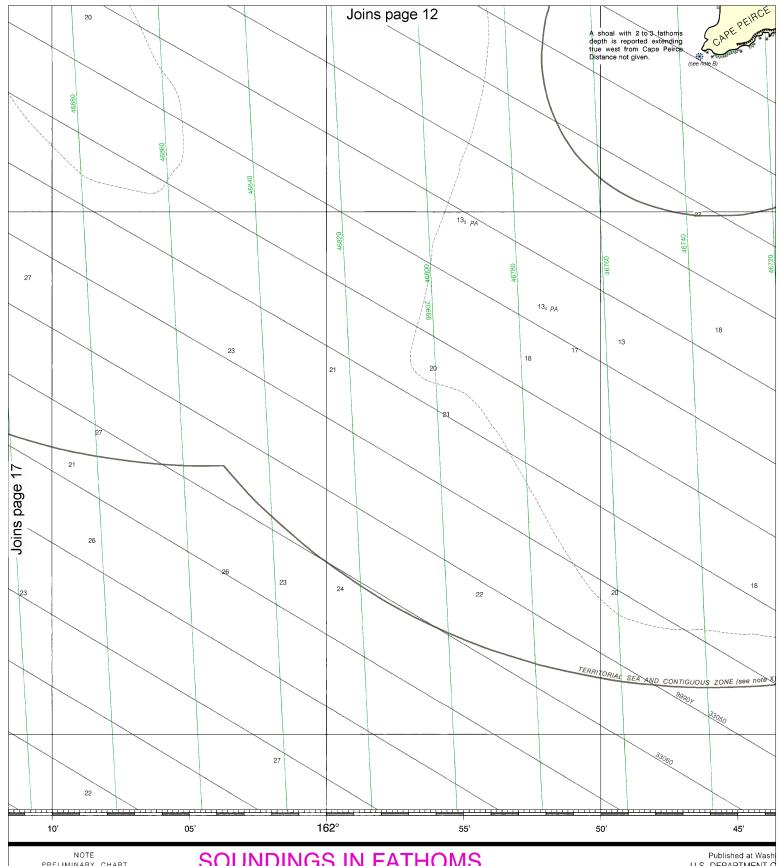












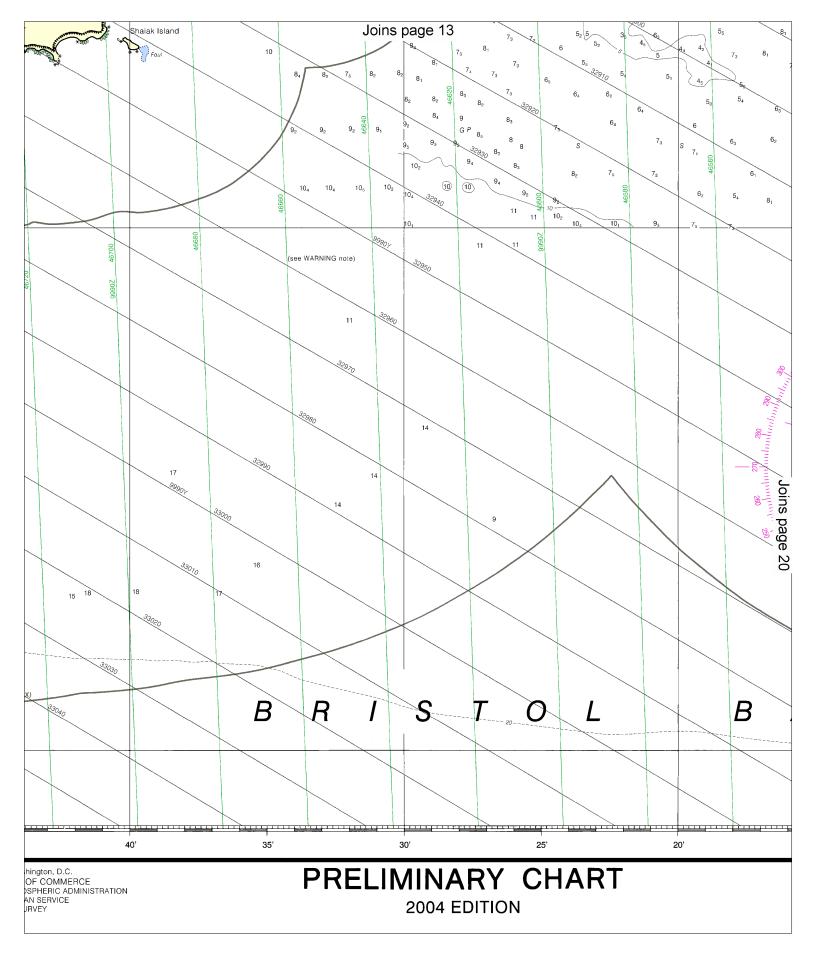
PRELIMINARY CHART
A map or chart printed and distributed for temporary use with the proviso that it will later be superseded.

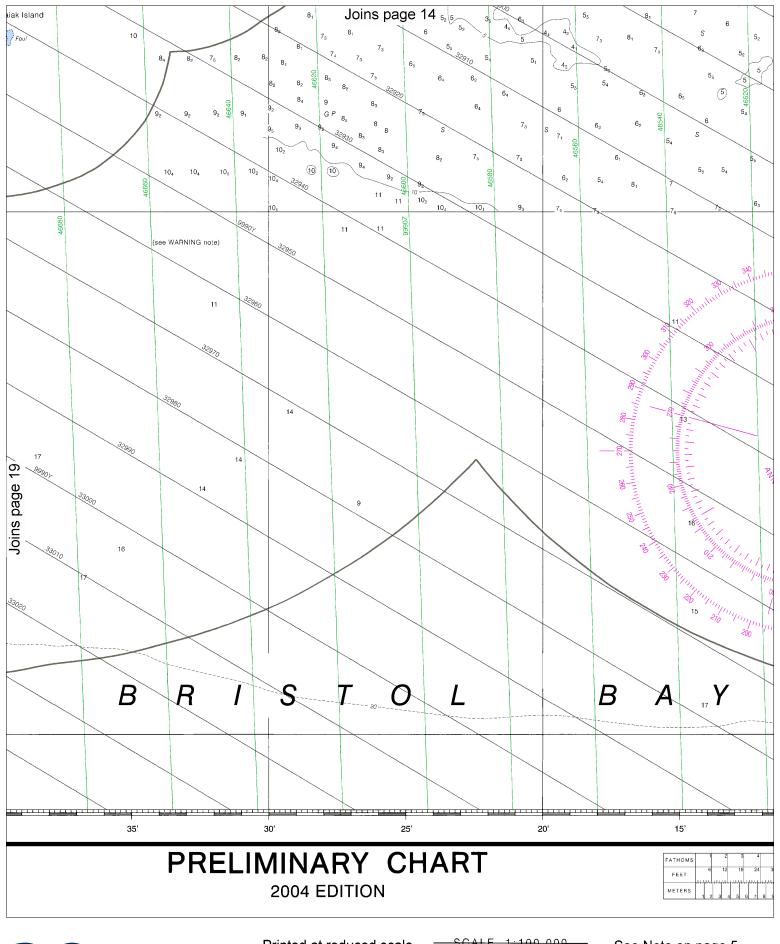
SOUNDINGS IN FATHOMS

(FATHOMS AND FEET TO 11 FATHOMS)

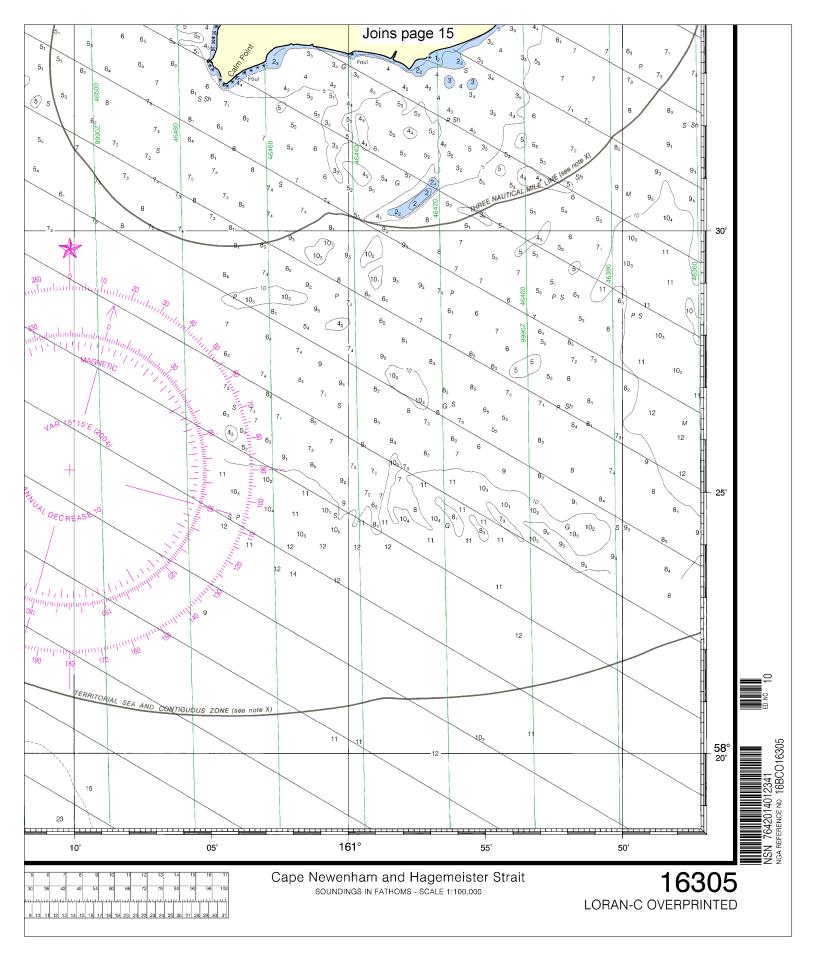
PUDIISNED AT WASH U.S. DEPARTMENT C NATIONAL OCEANIC AND ATMOS NATIONAL OCEAN COAST SUF













VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here. Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of

Emergency; Number of People on Board.

- · Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information — http://www.nauticalcharts.noaa.gov

Online chart viewer — http://www.nauticalcharts.noaa.gov/mcd/NOAAChartViewer.html

Report a chart discrepancy — http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx

Chart and chart related inquiries and comments — http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs

Chart updates (LNM and NM corrections) — http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html

Coast Pilot online — http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm

Tides and Currents — http://tidesandcurrents.noaa.gov

Marine Forecasts — http://www.nws.noaa.gov/om/marine/home.htm

National Data Buoy Center — http://www.ndbc.noaa.gov/

NowCoast web portal for coastal conditions — http://www.nowcoast.noaa.gov/

National Weather Service — http://www.weather.gov/

National Hurrican Center — http://www.nhc.noaa.gov/

Pacific Tsunami Warning Center — http://ptwc.weather.gov/

Contact Us — http://www.nauticalcharts.noaa.gov/staff/contact.htm



For the latest news from Coast Survey, follow @nauticalcharts



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

